

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A portable electronic appliance comprising:

a portable electronic appliance having a housing, a data entry device and a display screen;

a first sensor comprised of a magnetic sensor system, wherein the first sensor determines orientation of the portable electronic appliance in three dimensions relative to a constant magnetic field, and wherein the first sensor enables the portable electronic appliance to determine a three dimensional orientation relative to the constant magnetic field of the earth;

at least one second sensor disposed on a surface of the housing for a user to only make physical contact with the at least one second sensor to thereby actuate the at least one second sensor; and

wherein the first sensor and the at least one second sensor provide contact data to ~~a sensor circuit disposed within~~ the portable electronic appliance, wherein the contact data ~~in the sensor circuit~~ is utilized by ~~a processor within~~ the portable electronic appliance to determine whether or not to activate or deactivate a predetermined function of the portable electronic appliance.

2. (Previously presented) The portable electronic appliance as defined in claim 1 wherein the portable electronic appliance is selected from the group of portable electronic appliances comprised of a laptop computer, a mobile telephone, a personal digital assistant, a global positioning system, an electronic compass, a camera, and a camcorder.

3. (Original) The portable electronic appliance as defined in claim 1 wherein the at least one second sensor is comprised of a capacitance sensitive touchpad.

4. (Previously presented) The portable electronic appliance as defined in claim 1 wherein the at least one second sensor is selected from the group of sensors comprised of pressure sensitive, electrostatic, and capacitance sensing.

5. (Cancelled) The portable electronic appliance as defined in claim 3 wherein the capacitance sensitive touchpad is capable of conforming to arcuate surfaces.

6. (Original) The portable electronic appliance as defined in claim 3 wherein the capacitance sensitive touchpad is capable of sensing touch.

7. (Original) The portable electronic appliance as defined in claim 3 wherein the capacitance sensitive touchpad is capable of proximity sensing.

8. (Original) The portable electronic appliance as defined in claim 3 wherein the at least one second sensor is comprised of a plurality of capacitance sensitive touchpads.

9. (Previously presented) The portable electronic appliance as defined in claim 1 wherein the at least one second sensor is comprised of at least one general purpose touchpad that ~~can~~ senses position as well as touch or proximity of a touching object to the touchpad.

10. (Previously presented) The portable electronic appliance as defined in claim 1 wherein the at least one second sensor is comprised of at least one single-layer touchpad that senses touch or proximity of a touching object to the touchpad.

11. (Cancelled)

12. (Previously presented) The portable electronic appliance as defined in claim 1 wherein the functions that is activated or deactivated using the at least one second sensor are selected

from the group of functions comprised of turning on, turning off, increasing volume, decreasing volume, engaging a speakerphone mode, disengaging a speakerphone mode, toggling from a first function to a second function, and toggling from a second function back to a first function.

13. (Currently amended) A portable electronic appliance comprising:

a portable electronic appliance having a housing, a data entry device and a display screen;

a first sensor comprised of a magnetic sensor system, wherein the first sensor determines orientation of the portable electronic appliance in three dimensions relative to a constant magnetic field, and wherein the first sensor enables the portable electronic appliance to determine a three dimensional orientation relative to the constant magnetic field of the earth;

at least one second sensor disposed underneath a surface of the housing such that a user is detected using proximity sensing capabilities of the at least one second sensor, and wherein the at least one second sensor is actuated only by detection of the user; and

wherein the first sensor and the at least one second sensor provides proximity sensing data to ~~a sensor circuit disposed within~~ the portable electronic appliance, wherein the proximity

sensing data ~~in the sensor circuit~~ is utilized by a ~~processor within~~ the portable electronic appliance to determine whether or not to activate or deactivate a predetermined function of the portable electronic appliance.

14. (Currently amended) A method for determining where a user is touching a portable electronic appliance, said method comprising the steps of:

1) providing a housing, a data entry device and a display screen for the portable electronic appliance;

2) providing a first sensor comprised of a magnetic sensor system, wherein the first sensor determines orientation of the portable electronic appliance relative to a constant magnetic field, and wherein the first sensor enables the portable electronic appliance to determine a three dimensional orientation relative to the constant magnetic field of the earth;

3) providing at least one second sensor disposed on a surface of the housing for a user to make physical contact with the at least one second sensor; and

4) wherein the first sensor and the at least one second sensor provides contact data to a ~~sensor circuit disposed within~~ the portable electronic appliance, wherein the contact data ~~in the sensor circuit~~ is utilized by a ~~processor within~~ the portable electronic appliance to determine whether or not to activate or

deactivate a predetermined function of the portable electronic appliance.

15. (Previously presented) The method as defined in claim 14 wherein the step of providing the portable electronic appliance is further comprised of selecting the portable electronic appliance from the group of portable electronic appliances comprised of a laptop computer, a mobile telephone, a personal digital assistant, a global positioning system, an electronic compass, a camera, a camcorder, and combination devices that include at least two of the electronic appliances above.

16. (Original) The method as defined in claim 14 wherein the step of providing the at least one second sensor is further comprised of providing a capacitance sensitive touchpad.

17. (Previously presented) The method as defined in claim 14 wherein the step of providing the at least one second sensor is further comprising of selecting the at least one second sensor from the group of sensors comprised of pressure sensing, electrostatic sensing, and capacitance sensing.

18. (Previously presented) The method as defined in claim 16 wherein the method further comprises the step of conforming the

capacitance sensitive touchpad to arcuate surfaces of the portable electronic appliance.

19. (Original) The method as defined in claim 16 wherein the method is further comprised of the step of providing a capacitance sensitive touchpad that is capable of sensing touch.

20. (Original) The method as defined in claim 16 wherein the method is further comprised of the step of providing a capacitance sensitive touchpad that is capable of proximity sensing.

21. (Original) The method as defined in claim 16 wherein the method of providing at least one second sensor is further comprised of the step of providing a plurality of capacitance sensitive touchpads.

22. (Previously presented) The method as defined in claim 14 wherein the method of providing the at least one second sensor is further comprised of the step of providing at least one general purpose touchpad that senses position as well as touch or proximity of a touching object to the touchpad.

23. (Previously presented) The method as defined in claim 14 wherein the method of providing the at least one second sensor is further comprised of providing at least one single-layer touchpad that senses touch or proximity of a touching object to the touchpad.

24. (Cancelled)

25. (Previously presented) The method as defined in claim 14 wherein the step of providing the function that is activated or deactivated using the at least one second sensor are selected from the group of functions comprised of turning on, turning off, increasing volume, decreasing volume, engaging a speakerphone mode, disengaging a speakerphone mode, toggling from a first function to a second function, and toggling from a second function back to a first function.